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APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/892,017	06/25/2001	Khoi Hoang	60595-300901

CONFIRMATION NO. 2626

 25696
 OPPENHEIMER WOLFF & DONNELLY LLP - SILICON VALLEY
 1400 PAGE MILL ROAD
 PALO ALTO, CA 94304

FORMALITIES LETTER



OC000000006340764

Date Mailed: 07/25/2001

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- **The balance due by applicant is \$ 130.**

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

08/30/2001 BNGUYEN1 00000047 09892017

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130.00 OP

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/892,017	06/25/2001	2152	1380	60595-300901	9	35	8

CONFIRMATION NO. 2626

25696
OPPENHEIMER WOLFF & DONNELLY LLP - SILICON VALLEY
1400 PAGE MILL ROAD
PALO ALTO, CA 94304

FILING RECEIPT



OC00000006340763

Date Mailed: 07/25/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Khoi Hoang, Pleasanton, CA;

Domestic Priority data as claimed by applicant

THIS APPLICATION IS A CIP OF 09/584,832 05/31/2000

AND A CIP OF 09/841,792 04/24/2001

Foreign Applications

If Required, Foreign Filing License Granted 07/25/2001

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

Title

Decreased idle time and constant bandwidth data-on-demand broadcast delivery matrices

Preliminary Class

709



0420
09-05-
IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Receipt
#5

Applicant: Khoi Hoang Docket No: 60595-300901
Application No: 09/892,017 Group Art Unit: 2152
Filed: June 25, 2001 Examiner: Not Assigned Yet

For: **Decreased Idle Time And Constant Bandwidth Data-On-Demand Broadcast Delivery Matrices**

Office of Initial Patent Examination Division
Customer Service Center
Commissioner For Patents
Washington, D.C. 20231

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Enclosed is a red-lined copy of the Filing Receipt showing the change, for the above-identified patent application, copy of the Utility Patent Application Transmittal dated June 25, 2001, a copy of page one of the Specification, and evidencing the desired correction. Please reprint the Filing Receipt as follows and mail the corrected copy to the undersigned.

This application is incorrectly entered as :

"THIS APPLICATION IS A CIP OF 09/584,832 05/31/2000"

Please correct this application to read:

**"THIS APPLICATION IS A CIP OF 09/584,832 05/31/2000
AND A CIP OF 09/841,792 04/24/2001"**

Please reprint the Filing Receipt as follows and mail the corrected copy to the undersigned.

CERTIFICATE OF MAILING (37CFR 1.8 (a))

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on August 24, 2001 with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, Washington, D.C. 20231.

Date: August 24, 2001


Sheena Hicks

The correction is not due to any error by applicant and no fee is due. However, in the event that a fee is due, the Commissioner is hereby authorized to charge any such fees to Deposit Account 02-3964.

Respectfully submitted,



Dated: August 24, 2001

Brian R. Coleman
Reg. No. 39,145

OPPENHEIMER WOLFF & DONNELLY LLP

Customer No.: 25696

1400 Page Mill Road

Palo Alto, CA 94304

Tel: (650) 320-4000

Fax: (650) 320-4100



#5

IN THE UNITED STATES PATENT AND TRADEMARK

Box Patent Application
Commissioner of Patents
Washington, D.C. 20231

Attorney's Docket No.: 60595-300901
(PREDP009)

FILING TRANSMITTAL

EL 745058177US

Transmitted herewith for filing is the Patent Application of : **Khoi Hoang**

For: **Decreased Idle Time And Constant Bandwidth Data-On-Demand Broadcast
Delivery Matrices**

ENCLOSURES

- ☒ 62 page application including specification, claims and abstract;
- ☒ 9 sheets (Figs. 1 - 11) of ☒ informal/☐ formal drawings;
- ☒ A Declaration, Power of Attorney & Petition (☐ signed/☒ unsigned);
- ☒ A postcard for return to us as proof of receipt of the referenced documents.

and

- ☐ An Assignment of the invention with an assignment cover sheet;
- ☐ Applicant claims small entity status (Under 37 CFR 1.27);
- ☒ IDS (form PTO-1449) and copies of references;
- ☐ An Associate Power of Attorney;
- ☐ A certified copy of the priority document (Under 35 USC 119);
- ☐ A Power of Attorney by Assignee;
- ☐ Other: Request and Certification Under 35 USC 122(b)(2)(B)(i).

TYPE OF FILING

- ☒ This application claims the benefit of an earlier filed Patent Application Number 09/584,832, filed May 31, 2000, Patent Application Number 09/841,792, filed April 24, 2001 (35 USC 120).
- ☐ This application claims the benefit of the priority date of an earlier provisional patent application (35 USC 119).
- ☐ This is an application filed pursuant to 37 CFR 1.53, permitting receipt of a filing date upon filing of specification, claims and drawings, if required, with applicant being given a period of one month from the date of notice to file the fee and oath or declaration.
- ☒ In the event any parts of this application are missing, please treat this as a filing under 37 CFR 1.53 as defined just above.

CERTIFICATE OF MAILING (37 CFR 1.10(A))

CERTIFICATE OF MAILING BY "EXPRESS MAIL" - Rule 10: I hereby certify that this correspondence is being deposited with the U. S. Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 as Express Mail No. EL745058177US addressed to the Box Patent Application, Commissioner of Patents, Washington, D.C. 20231 on June 25, 2001 by Sheena Hicks

Date: June 25, 2001

Sheena Hicks
Sheena Hicks



Decreased Idle Time And Constant Bandwidth Data-On-Demand Broadcast Delivery Matrices

CROSS-REFERENCE TO RELATED APPLICATIONS

5 The present application is a continuation-in-part application of Khoi Hoang's parent application entitled SYSTEMS AND METHODS FOR PROVIDING VIDEO-ON-DEMAND SERVICES FOR BROADCASTING SYSTEMS filed May 31, 2000, bearing application no. 09/584,832, which is incorporated herein by reference. The present application further claims
10 priority to Khoi Nhu Hoang's co-pending patent application entitled UNIVERSAL DIGITAL BROADCAST SYSTEM AND METHODS filed on April 24, 2001, bearing application no. 09/841,792, which is also incorporated herein by reference.

15 BACKGROUND OF THE INVENTION

 Video-on-demand (VOD) systems are one type of data-on-demand (DOD) system. In VOD systems, video data files are provided by a server or a network of servers to one or more clients on a demand basis. These systems will be well understood by those of skill in the art.

20 In a conventional VOD architecture, a server or a network of servers communicates with clients in a standard hierarchical client-server model. For example, a client sends a request to a server for a data file (e.g., a video data file). In response to the client request, the server sends the requested file to the client. In the standard client-server model, a client's request for a
25 data file can be fulfilled by one or more servers. The client may have the capability to store any received data file locally in non-volatile memory for later use. The standard client-server model requires a two-way



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sector \$ #9

Applicant: Khoi Hoang Docket No: 60595-300901
Application No: 09/892,017 Group Art Unit: 2152
Filed: June 25, 2001 Examiner: Not Assigned Yet
For: **Decreased Idle Time And Constant Bandwidth Data-On-Demand Broadcast Delivery Matrices**

Box Missing Parts
Commissioner of Patents
Washington, D.C. 20231

TRANSMITTAL FOR RESPONSE TO NOTICE TO FILE MISSING PARTS

Enclosed herewith for filing in the above-identified application are the following:

- ☒ Copy of Notice to File Missing Parts of NonProvisional Application (Filing Date Granted);
- ☒ Executed Declaration, Power of Attorney and Petition;
- ☒ Check No.: 126380 in the amount of \$130.00 for payment of the Missing Parts required fee; and
- ☒ Postcard for date-stamped return as confirmation of receipt of these items.

Total fees due in this application amount to \$130.00. The Commissioner is further authorized to charge any required additional fees, or credit any overpayment, to deposit account 02-3964.

Respectfully submitted,

Date: August 24, 2001

Brian Coleman
Reg. No. 39,145

OPPENHEIMER WOLFF & DONNELLY LLP
CUSTOMER NO. 25696
1400 Page Mill Road
Palo Alto, CA 94304
Tel: (650) 320-4000
Fax: (650) 320-4100

CERTIFICATE OF MAILING (37CFR 1.8 (A))

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on August 24, 2001 with the U.S. Postal Service as first class mail in an envelope addressed to: Box Missing Parts, Commissioner for Patents, Washington, D.C. 20231.

Date: August 24, 2001

Sheena Hicks